CLAIMS

WHAT IS CLAIMED IS:

1. A chair foldable between a closed, collapsed position for storage and an open, extended sitting position comprising:

a frame having spaced side walls and top and bottom walls extending between respective ends of said side walls;

a first pair of spaced legs having upper and lower ends;

a second pair of spaced legs having upper and lower ends located between and inwardly of said first pair of spaced legs;

a first pair of pivot means intermediate the ends of said first and second legs for rotatably connecting one of each pair of legs together;

a second pair of pivot means adjacent the upper ends of each of said first legs cooperatively engaging a first pair of sliding slots defined by said frame for rotatably connecting said first pair of legs to said frame and enabling movement along said slot;

a third pair of pivot means adjacent the lower ends of each of said second legs for rotatably connecting said second pair of legs to said frame adjacent its bottom wall;

a seat positioned between said first pair of legs and between said second pair of legs, said seat having a supporting surface defined between front and rear edges;

a fourth pair of pivot means one on either side of said seat intermediate its front and rear edges for rotatably connecting said seat to the upper ends of said second pair of legs; and,

a fifth pair of pivot means rearward on said seat of said fourth pivot means cooperatively engaging a second pair of sliding slots defined one in each of the first pair of legs for rotatably connecting said seat to said first pair of legs and enabling motion along said slot, whereby the chair may be moved between a closed, folded position in said frame with the first and second pair of legs and the seat collapsed to a substantially flat condition and an open position with said seat extended and first leg lower portions and said frame bottom wall locatable on a supporting surface.

2. The chair of claim 1 wherein the thickness of said first and second pair of legs and said seat is less than the depth of the frame side walls whereby the chair lies entirely within the frame when the chair is collapsed and moved to its closed position.

3. The chair of claim 1 wherein said frame further includes a back wall extending between said top, bottom and side walls to define a relatively shallow cavity.

4. The chair of claim 1 wherein the top, bottom and side walls are made of relatively thin material having a generally L-shaped cross section, the leg portion of the walls extending inwardly and the upright portion of the L-shaped walls extending not more than 1-3/4 inches to define a relatively shallow cavity not more than 1-3/4 inches deep.

5. The chair of claim 4 wherein said frame further includes a back wall extending between said top, bottom and side walls and overlapping the leg portions of the L-shaped walls to define said cavity.

6. The chair of claim 1 wherein said frame further includes a second pair of spaced side walls extending between said top and bottom walls, one pair of side walls being disposed inwardly of the other pair of side walls to define inner and outer side walls adjacent each side of said frame, said first and second pairs of legs being connected to the frame on either side thereof between said inner side walls.

7. The chair of claim 6 wherein said second pair of legs are each spaced from respective inner side walls with said first pair of legs being respectively disposed between said inner side walls and said first pair of legs with the distance from said first pivot means to the lower end of each of said first legs being less than the distance from said first pivot means to said third pivot means.

8. The chair of claim 6 wherein said inner side walls are structurally stronger than said outer side walls to support the weight of a user sitting on the seat.

9. The chair of claim 6 further including a pair of spaced, elongate arm rests, each pivotally connected to said frame between respective inner and outer side walls for rotational movement between a closed position within the frame and an open position extending from the frame upwardly from and to either side of the seat.

10. The chair of claim 1 further including a pair of spaced, elongate arm rests, each pivotally connected to said frame for rotational movement between a closed position within the frame and an open position extending from the frame upwardly from and to either side of the seat.

11. The chair of claim 1 wherein said seat is relatively rigid.

12. The chair of claim 1 further including a back rest extending between said first pair of legs.

13. The chair of claim 12 wherein said back rest is pivotally connected to said first pair of legs adjacent their respective upper ends.

14. The chair of claim 1 further including a back rest pivotally connected to said frame being disposed forward of said first pair of legs with said back rest having a lower portion slidable along said first pair of legs, whereby said back rest lower portion is moved outwardly relative to said frame as said first pair of legs are rotated forwardly from a closed position to an open position.

15. The chair of claim 1 further including a back rest pivotally connected to said frame being disposed forward of said first pair of legs, a linkage having one end pivotally connected to a first leg upper end portion, and a slot pin joint connecting the second end of said linkage and a lower portion of the back rest, whereby said back rest lower portion is moved relative to said frame by said linkage as said first pair of legs are rotated forwardly from a closed position to an open position.

16. The chair of claim 1 wherein said chair further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall positioned generally horizontally at the top thereof.

17. The chair of claim 16 wherein said chair further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall positioned generally vertically at one side thereof.

18. A chair foldable between a closed, collapsed position for storage and an open, extended sitting position comprising:

a frame including spaced top and bottom walls, a pair of spaced side walls joined respectively to said top and bottom walls;

a first pair of spaced legs having upper and lower end portions;

a second pair of spaced legs having upper and lower end portions, each of said second legs being pivotally connected to a respective one of said first pair of legs intermediate their respective ends for rotation relative to each other, each of said second leg lower end portions being pivotally connected to said frame adjacent its bottom wall;

a first pair of sliding pin joints for respectively connecting said first leg upper end portions to said frame with said first legs being movable up and down and pivotable relative to said frame as the first leg lower end portions are rotated between an inward closed position within the frame and an outward open position;

a seat for supporting a user positioned between said first legs and second legs and having front and back edges, said seat being pivotally connected intermediate its front and back edges to respective second leg upper end portions for rotation relative to said second pair of legs;

a second pair of sliding pin joints for connecting said seat adjacent its back edge to each of said second leg upper end portions with said seat being movable along said first legs and pivotable relative thereto as said seat is

rotated relative to said second pair of legs, whereby the chair may be moved between a closed, folded position with said frame with the first and second pair of legs and the seat collapsed to a substantially flat condition and an open position with said seat extended and first leg lower portions and said frame bottom wall locatable on a supporting surface.

19. The chair of claim 18 wherein the thickness of said first and second pair of legs and said seat is less than the depth of the frame side wall whereby the chair lies within the frame when the chair is collapsed and moved to its closed position.

20. The chair of claim 18 wherein said frame further includes a back wall extending between said top, bottom and side walls to define a relatively shallow cavity.

21. The chair of claim 18 wherein said top, bottom and side walls are made of relatively thin material having a generally L-shaped cross section, the leg portion of the walls extending inwardly and the upright portion of the L-shaped walls extending not more than 1-3/4 inches to define a relatively shallow cavity not more than 1-3/4 inches deep.

22. The chair of claim 21 wherein said frame further includes a back wall extending between said top, bottom and side walls and overlapping the leg portions of the L-shaped walls to define said cavity.

23. The chair of claim 21 wherein said frame further includes a second pair of spaced side walls extending between said top and bottom walls, one pair of side walls being disposed inwardly of the other pair of side walls to define inner and outer side walls adjacent each side of said frame, said first and second pairs of legs being connected to said frame on either side thereof between said inner side walls.

24. The chair of claim 23 wherein each of said first sliding pin joints includes a pin carried by the leg and a slot formed in a frame inner side wall adapted to receive the pin.

25. The chair of claim 24 wherein each of said second sliding pin joints includes a pin carried by the leg and a slot formed in a respective first leg intermediate its upper and lower ends adapted to receive the pin.

26. The chair of claim 23 wherein said inner side walls are structurally stronger than said outer side walls to support the weight of a user sitting on the seat.

27. The chair of claim 23 further including a pair of spaced, elongate arm rests, each pivotally connected to said frame between respective inner and outer side walls for rotational movement between a closed position within the frame and an open position extending from the frame upwardly from and to either side of the seat.

28. The chair of claim 18 further including a pair of elongate arm rests, each pivotally connected to said frame for rotational movement between a closed position within the frame and an open position extending from the frame upwardly from and to either side of the seat.

29. The chair of claim 18 further including a back rest extending between said first leg upper portions.

30. The chair of claim 29 wherein said back rest is pivotally connected to said first leg upper portions.

31. The chair of claim 18 further including a back rest pivotally connected to said frame and being disposed forward of said first pair of legs with said back rest having a lower portion slidable along said first pair of legs, whereby said back rest lower portion is moved outwardly relative to said frame as said first pair of legs are rotated forwardly from a closed position to an open position.

32. The chair of claim 18 further including a back rest pivotally connected to said frame and being disposed forward of said first pair of legs, a linkage having one end pivotally connected to a first leg upper end portion, and a slot pin joint connecting a second end of said linkage and a lower portion of the back rest, whereby said back rest lower portion is moved relative to said frame by said linkage as said first pair of legs are rotated forwardly from a closed position to an open position.

33. The chair of claim 18 wherein said second pair of legs are disposed inwardly and between said first pair of legs.

34. The chair of claim 18 wherein said respective first and second pairs of legs are connected by pivots for rotation about a common horizontal axis.

35. The chair of claim 34 wherein said seat and said second pair of legs are connected by pivots for rotation about a second common horizontal axis.

36. The chair of claim 18 wherein said seat is relatively rigid.

37. The chair of claim 18 wherein said chair further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall positioned generally horizontally at the top thereof.

38. The chair of claim 37 wherein said chair further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall positioned generally vertically at one side thereof.

39. A chair foldable between a closed, collapsed position for storage and an open, extended sitting position comprising:

a frame including spaced top and bottom walls, a pair of spaced side walls joined respectively to said top and bottom walls, and a back wall extending between said top, bottom and side walls, said top, bottom and side walls being made of relatively thin material having a generally L-shaped cross section, the leg portion of the walls extending inwardly and the upright portion of the L-shaped walls extending not more than 1-3/4 inches, the back wall overlapping the leg portions of the L-shaped walls to define a cavity not more than 1-3/4 inches deep;

a second pair of spaced side walls extending between said top and bottom walls, said second pair of said side walls being disposed inwardly of said first pair of side walls to define inner and outer side walls adjacent each side of said frame, said inner side walls being structurally stronger than said outer walls;

a first pair of spaced legs having upper and lower end portions;

a second pair of spaced legs having upper and lower end portions, said second pair of legs being disposed inwardly and between said first pair of legs, each of said second legs being pivotally connected to a respective one of said first pair of legs intermediate their respective ends for rotation relative to each other, said second pair of legs being pivotally connected to said frame on either side thereof adjacent its bottom wall between said inner side walls;

a first pair of sliding pin joints for respectively connecting said first leg upper end portions to said inner side walls with said first legs being movable up and down and pivotable relative to said frame as the first leg lower end portions are rotated between an inward closed position in the frame and an outward open position;

a relatively rigid seat for supporting a user positioned between said first legs and second legs and having front and back edges, said seat pivotally connected intermediate its front and back edges to respective second leg upper end portions for rotation relative to said second pair of legs;

a second pair of sliding pin joints for connecting said seat adjacent its back edge to each of said second leg upper end portions with said seat being movable along said first legs and pivotable relative thereto as said seat is rotated relative to said second pair of legs;

the thickness of said first and second pairs of legs and said seat being less than the depth of the frame side walls, whereby the chair may be moved between a closed, folded position with the first and second pair of legs and the seat collapsed to a substantially flat condition within said cavity and an open position with said seat extended and first leg lower portions and said frame bottom wall locatable on a generally horizontal supporting surface; and,

hanger receiving means for hanging said frame on a substantially upright surface.

40. The chair of claim 39 further including a back rest extending between said first upper leg portions.

41. The chair of claim 39 further including a pair of spaced, elongate arm rests, each pivotally connected to said frame between respective inner and outer side walls for rotational movement between a closed position within the frame and an open position extending from the frame upwardly from and to either side of the seat.